

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF052119\
 Data File : VF062675.D
 Acq On : 21 May 2019 10:21
 Operator : FY/SY
 Sample : VSTDCCC050
 Misc : 5.00g/5mL/MSVOA F/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 5/22/2019 4:20:49 PM

Quant Time: May 22 04:02:17 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F051619S.M
 Quant Title : SW846 8260
 QLast Update : Fri May 17 05:49:09 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.05	168	938931	50.00	ug/l	-0.01
34) 1,4-Difluorobenzene	5.77	114	1489740	50.00	ug/l	-0.01
63) Chlorobenzene-d5	9.91	117	1133373	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.61	152	539502	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	5.03	65	311709	46.98	ug/l	0.00
Spiked Amount 50.000			Recovery	=	93.96%	
35) Dibromofluoromethane	4.31	113	548074	48.08	ug/l	0.00
Spiked Amount 50.000			Recovery	=	96.16%	
50) Toluene-d8	7.71	98	1301859	47.83	ug/l	0.00
Spiked Amount 50.000			Recovery	=	95.66%	
62) 4-Bromofluorobenzene	11.49	95	460210	44.58	ug/l	-0.01
Spiked Amount 50.000			Recovery	=	89.16%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.00	85	548858	42.955	ug/l	98
3) Chloromethane	1.15	50	483642	41.108	ug/l	98
4) Vinyl Chloride	1.20	62	476722	44.019	ug/l	96
5) Bromomethane	1.40	94	273571	46.175	ug/l	99
6) Chloroethane	1.44	64	181349	45.595	ug/l	97
7) Trichlorofluoromethane	1.56	101	657193	45.195	ug/l	95
8) Diethyl Ether	1.71	74	158422	54.994	ug/l	83
9) 1,1,2-Trichlorotrifluoroet	1.91	101	446175	48.187	ug/l	99
10) Methyl Iodide	1.99	142	867662	47.703	ug/l	100
11) Tert butyl alcohol	2.70	59	126187	288.069	ug/l #	91
12) 1,1-Dichloroethene	1.88	96	414575	49.151	ug/l	96
13) Acrolein	2.11	56	104578	228.708	ug/l	88
14) Allyl chloride	2.20	41	384857m	50.415	ug/l	
15) Acrylonitrile	3.09	53	288640	233.594	ug/l	97
16) Acetone	2.35	43	511177	296.968	ug/l	93
17) Carbon Disulfide	1.93	76	1135482	45.419	ug/l	99
18) Methyl Acetate	2.46	43	139847	51.701	ug/l	96
19) Methyl tert-butyl Ether	2.55	73	765776	50.787	ug/l	100
20) Methylene Chloride	2.34	84	397665m	46.090	ug/l	
21) trans-1,2-Dichloroethene	2.42	96	411359	49.897	ug/l	93
22) Diisopropyl ether	2.94	45	943012	50.086	ug/l	98
23) Vinyl Acetate	3.35	43	3160782	248.864	ug/l	99
24) 1,1-Dichloroethane	3.01	63	685364	49.620	ug/l	99
25) 2-Butanone	4.53	43	1020197	277.409	ug/l	99
26) 2,2-Dichloropropane	3.78	77	417878	52.877	ug/l	93
27) cis-1,2-Dichloroethene	3.64	96	697889	51.463	ug/l	96
28) Bromochloromethane	3.90	49	324810	41.930	ug/l	96
29) Tetrahydrofuran	4.26	42	388060	260.759	ug/l	97
30) Chloroform	4.05	83	950027	49.540	ug/l	100
31) Cyclohexane	3.87	56	850684	45.870	ug/l	97
32) 1,1,1-Trichloroethane	4.29	97	638556	50.139	ug/l	98
36) 1,1-Dichloropropene	4.47	75	804253	52.685	ug/l	97
37) Ethyl Acetate	4.30	43	315194	50.570	ug/l	85
38) Carbon Tetrachloride	4.18	117	579009	50.434	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.63	83	981109	53.414	ug/l	96
40) Benzene	4.83	78	2084605	50.127	ug/l	99
41) Methacrylonitrile	4.93	41	173163	52.992	ug/l	93
42) 1,2-Dichloroethane	5.13	62	457061	55.114	ug/l	95
43) Isopropyl Acetate	7.11	43	389307	48.212	ug/l #	97
44) Trichloroethene	5.68	130	623953	53.384	ug/l	92
45) 1,2-Dichloropropane	6.41	63	538042	51.252	ug/l	98
46) Dibromomethane	6.26	93	342164	56.397	ug/l	92
47) Bromodichloromethane	6.55	83	692299	54.965	ug/l	98
48) Methyl methacrylate	6.88	41	224634	53.223	ug/l	96
49) 1,4-Dioxane	6.88	88	57609	1065.709	ug/l	93
51) 4-Methyl-2-Pentanone	8.40	43	1402981	254.188	ug/l	98
52) Toluene	7.78	92	1160371	53.204	ug/l	96
53) t-1,3-Dichloropropene	8.42	75	574284	55.732	ug/l	96
54) cis-1,3-Dichloropropene	7.46	75	795713	55.164	ug/l	98
55) 1,1,2-Trichloroethane	8.63	97	350335	54.251	ug/l	96
56) Ethyl methacrylate	8.76	69	388786	50.535	ug/l	97
57) 1,3-Dichloropropane	9.00	76	586538	53.325	ug/l	96
58) 2-Chloroethyl Vinyl ether	7.45	63	702999	280.725	ug/l	97
59) 2-Hexanone	9.62	43	1040412	292.775	ug/l	95
60) Dibromochloromethane	8.86	129	483559	57.455	ug/l	97
61) 1,2-Dibromoethane	9.13	107	382056	55.702	ug/l	99
64) Tetrachloroethene	8.31	164	467331	52.048	ug/l	98
65) Chlorobenzene	9.93	112	1155106	51.890	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.06	131	484193	54.182	ug/l	97
67) Ethyl Benzene	10.03	91	1933391	49.995	ug/l	100
68) m/p-Xylenes	10.26	106	1470584	101.179	ug/l	98
69) o-Xylene	10.82	106	762500	50.933	ug/l	94
70) Styrene	10.89	104	1128386	49.590	ug/l	99
71) Bromoform	10.88	173	267101	59.678	ug/l #	95
73) Isopropylbenzene	11.21	105	1968213	50.902	ug/l	99
74) N-amyl acetate	11.45	43	531939	54.560	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.77	83	416901	52.758	ug/l	98
76) 1,2,3-Trichloropropane	11.86	75	269648	51.933	ug/l	90
77) Bromobenzene	11.58	156	504176	52.456	ug/l	96
78) n-propylbenzene	11.67	91	2152016	47.027	ug/l	97
79) 2-Chlorotoluene	11.79	91	1284128	49.793	ug/l	97
80) 1,3,5-Trimethylbenzene	11.89	105	1545621	49.851	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.94	75	135213m	58.585	ug/l	
82) 4-Chlorotoluene	11.97	91	1250856	49.185	ug/l	100
83) tert-Butylbenzene	12.20	119	1658239	52.716	ug/l	98
84) 1,2,4-Trimethylbenzene	12.27	105	1517671	50.574	ug/l	96
85) sec-Butylbenzene	12.37	105	2043518	48.408	ug/l	99
86) p-Isopropyltoluene	12.51	119	1730608	48.645	ug/l	99
87) 1,3-Dichlorobenzene	12.53	146	857468	49.311	ug/l	100
88) 1,4-Dichlorobenzene	12.62	146	835833	51.221	ug/l	98
89) n-Butylbenzene	12.90	91	1681438	47.936	ug/l	99
90) Hexachloroethane	12.97	117	470915	55.179	ug/l	97
91) 1,2-Dichlorobenzene	13.00	146	811878	52.378	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	13.69	75	54353	57.657	ug/l	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.24	180	588692	53.058	ug/l	100
94) Hexachlorobutadiene	14.23	225	408551	52.764	ug/l	94
95) Naphthalene	14.50	128	1069544	53.061	ug/l	99
96) 1,2,3-Trichlorobenzene	14.63	180	566096	53.865	ug/l	100

(#) = qualifier out of range (m) = manual integration (+) = signals summed

